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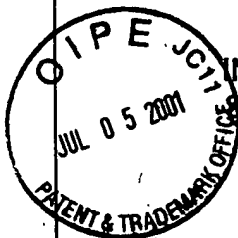


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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	09/500,904
Filing Date	February 9, 2000
First Named Inventor	John B. Harley
Group Art Unit	
Examiner Name	
Attorney Docket Number	OMRF 161 CIP

Sheet 1 of 23

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	US Patent Document		Name of Patentee or Applicant of Cited Document	Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
JH		4,554,101		Hopp	11-19-1985	
		4,654,419		Vaughan	03-31-1987	
		4,707,358		Kieff	11-17-1987	
		4,784,942		Harley	11-15-1988	
		4,865,970		Brot, et al.	09-12-1989	
		5,312,752		Woltz, et al.	05-17-1994	
		5,354,691		Van Eden, et al.	10-11-1994	
		*5,637,454		Harley	06-10-1987	
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		*5,874,531		Strominger, et al.	02-23-1999	
		5,965,353		Middeldorp	10-12-1999	

Examine Signature	<i>Sharon Fildg</i>	Date Considered	5/3/2
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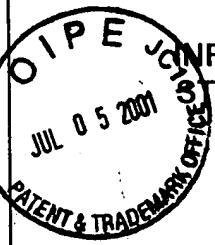
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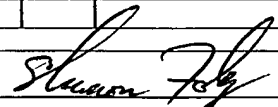
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		Filing Date	February 9, 2000
		First Named Inventor	John B. Harley
		Group Art Unit	
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Sheet 2 of 23	Attorney Docket Number	OMRF 161 CIP	

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		Office. <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
SF		EP	0 113 431	B1	Yeshiva University	07-18-1984		
		EP	0 313 156	A1	Akzo N.V.	04-26-1989		
		WO	86/01210		Scripps Clinic Res.	02-27-1986		
		WO	88/09932		Amrad Corporation Ltd.	06-03-1988		
		WO	91/11718		Board of Regents of the University of Oklahoma	08-08-1991		
		WO	91/17171		Oklahoma Medical Research Foundation	11-14-1991		
		WO	91/18920		Neosystem	12-12-1991		
		*WO	93/21223		Board of Regents of the University of Oklahoma	10-28-1993		
		WO	94/02445		Yeda Research and Development Co. Ltd. at Weizmann Institute of Science	02-03-1994		
		WO	94/02509		Rijksuniversiteit Leiden	02-03-1994		
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		WO	94/21669		Medclone, Inc.	09-29-1994		
		WO	96/37225		Oklahoma Medical Research Foundation	11-28-1996		

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SHE		ALEXANDER, et al., "Anti-Ro/SS-A Antibodies in the Pathophysiology of Congenital Heart Block in Neonatal Lupus Syndrome, and Experimental Model," <i>Arth. And Rheum.</i> 35:176-189 (1992).	
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Signature

*Sharon Felt*

Date Considered

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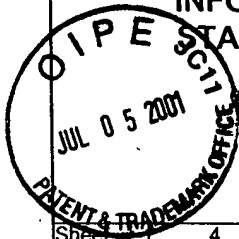
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Application Number	09/500,904
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First Named Inventor	John B. Harley
Group Art Unit	
Examiner Name	
Attorney Docket Number	OMRF 161 CIP

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SH		BLANK, et al., "Sex Hormone Involvement in the Induction of Experimental Systemic Lupus Erythematosus by a Pathogenic anti-DNA Idiotypic in Naive Mice," <i>J. Rheumatol.</i> 17:311-317 (1990).	
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		CRAFT, et al., "Murine and Drosophila B Proteins of SM snRNPS," <i>Mol. Biol. Rep.</i> 15:159 (1991).	

Examiner's Signature	<i>Sharon Foley</i>	Date Considered	5/6/2
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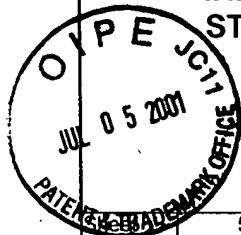
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SAF		CRONE, et al., "Viral Transcription is Necessary and Sufficient for Vesicular Stomatitis Virus to Inhibit Maturation of Small Nuclear Ribonucleoproteins," <i>Journal of Virology</i> 63(10):4172-4180 (1989).	
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		DYRBERG & OLDSTONE, "Peptides as Probes to Study Molecular Mimicry and Virus-Induced Autoimmunity," <i>Current Topics in Microbiology and Immunology</i> 130:25-37 (1986).	
SAF		ELKON, et al., "Epitope Mapping of Recombinant HeLa SmB and B' Peptides Obtained by the Polymerase Chain Reaction," <i>J. Immun.</i> 145:636-643 (1990).	

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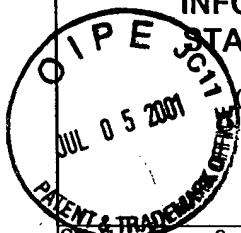
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SH		FOX, "Sjogren's Syndrome," <i>Current Opin. Rheum.</i> 7:409-416 (1995).	

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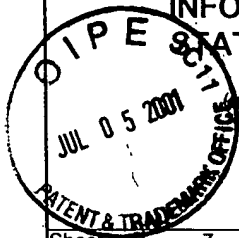
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		FOX, et al., "Potential Role of Epstein-Barr Virus in Sjogren's Syndrome and Rheumatoid Arthritis," <i>J. Rheumatol.</i> 19:18-24 (1992).	
		FRICKE, et al., "Induction of Experimental Systemic Lupus Erythematosus in Mice by Immunization with a Monoclonal Anti-La Autoantibody," <i>Intern. Immunol.</i> 2:225-230 (1990).	
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Examiner's Signature	<i>Sharon Foley</i>	Date Considered	5/3/02
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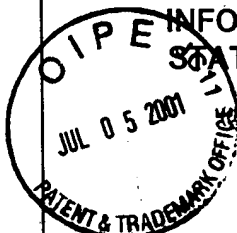
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> Use as many sheets as necessary)		Application Number	09/500,904
		Filing Date	February 9, 2000
		First Named Inventor	John B. Harley
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SAF		GEYSEN, et al., "Use of Peptide Synthesis to Probe Viral Antigens for Epitopes to a Resolution of a Single Amino Acid," <i>Proc. Natl. Acad. Sci. USA</i> 81:3998-4002 (1984).	
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SA		*HARLEY, et al., "Epstein-Barr virus infection may be an environmental risk factor for systemic lupus erythematosus in children and teenagers," <i>Arthritis Rheum.</i> 42(8):1782-3 (1999).	
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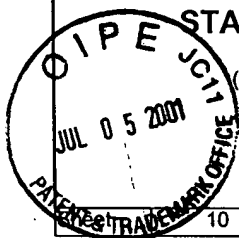
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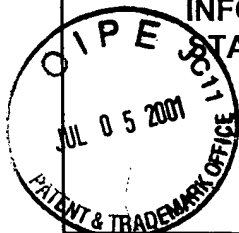
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SAX		KLIPPEL, et al., "Epstein-Barr Virus Antibody and Lymphocyte Tubuloreticular Structures in Systemic Lupus Erythematosus," <i>Lancet</i> , 2:1057-1058 (1973).	
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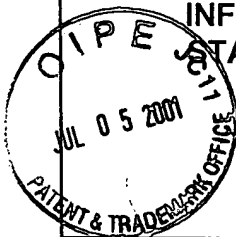
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SH		LERNER, et al., "Are snRNPs Involved in Splicing?" <i>Nature</i> 283:220-224 (1980).	
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Examiner's Signature	<i>Sharon Feld</i>	Date Considered	5/8/2
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	09/500,904
Filing Date	February 9, 2000
First Named Inventor	John B. Harley
Group Art Unit	
Examiner Name	
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### OTHER ART - NON PATENT LITERATURE DOCUMENTS

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SA		MENDLOVIC, et al., "The Genetic Regulation of the Induction of Experimental SLE," <i>Immunology</i> 69:228-236 (1990).	
		MENDLOVIC, et al., "The Role of Anti-Idiotypic Antibodies in the Induction of Experimental Systemic Lupus Erythematosus in Mice," <i>Eur. J. Immunol.</i> 19:729-732 (1989).	
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SA		MUNVES, et al., "Antibodies to Sm and RNP," <i>Arthritis Rheum.</i> 26:848-853 (1983).	

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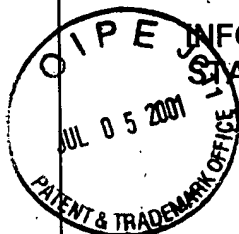
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SAF		*NICHOLSON, "A T cell receptor antagonist peptide induces T cells that mediate bystander suppression and prevent autoimmune encephalomyelitis induced with multiple myelin antigens," <i>Proc. Natl. Acad. Sci. USA</i> 94:9279-9284 (1997).	
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		PETTERSSON, et al., "The Structure of Mammalian Small Nuclear Ribonucleoproteins," <i>J. Biol. Chem.</i> 259:5907-5914 (1984).	
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Examiner's Signature	<i>Shane Fdg</i>	Date Considered	<i>8/5/02</i>
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Application Number	09/500,904
Filing Date	February 9, 2000
First Named Inventor	John B. Harley
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SA		PHILLIPS, et al., "Viruses and Systemic Lupus Erythematosus," <i>Lancet</i> 1:1449 (1973).	
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SA		RHODES, et al., "Human Immune Responses to Synthetic Peptides from the Epstein-Barr Nuclear Antigen," <i>J. Immunol.</i> 134:211-216 (1985).	

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		Filing Date	February 9, 2000	
		First Named Inventor	John B. Harley	
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		SCHAAK, "Molecular Mimicry in HLA-B-27-Related Arthritis," <i>Annals of Internal Medicine</i> 111(7):581-591 (1989).	
SA		SCHMAUSS, et al., "A Comparison of snRNP-Associated Sm-Autoantigens: Human N, Rat N and Human B/B (abstract)," <i>Nuc. Acid Res.</i> 17:1733-43 (1989).	

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SAH		SCOFIELD, "HLA-B27 Binding of Peptide From Its Own Sequence and Similar Peptides From Bacteria: Implications For Spondyloarthropathies," <i>Lancet</i> , 345:1542-1544 (1995).	
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		SCOFIELD, et al., "Immunization with Short Peptides from the Sequence of the Systemic Lupus Erythematosus-Associated 60-kDa Ro Autoantigen Results in Anti-Ro Ribonucleoprotein Autoimmunity," <i>J. Immunology</i> 4059-4066 (1996).	
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		SCOFIELD, et al., "Development of the Anti-Ro Autoantibody Response in a Patient with Systemic Lupus Erythematosus," <i>Arthritis &amp; Rheumatism</i> 39(10):1664-1688 (1996).	
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		SILLIKENS, et al., "cDNA Cloning of the Human U1 snRNA-Associated A Protein: Extensive Homology Between U1 and U2 snRNP-Specific Proteins," <i>EMBO Journal</i> 6:3841-3848 (1987).	
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SP		TAN, et al., "The 1982 Revised Criteria for the Classification of Systemic Lupus Erythematosus," <i>Arthritis Rheum.</i> 25:1271-1277 (1982).	

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Application Number	09/500,904
Filing Date	February 9, 2000
First Named Inventor	John B. Harley
Group Art Unit	
Examiner Name	
Attorney Docket Number	OMRF 161 CIP

## OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner's Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
SAF		TAN, et al., "Characteristics of a Soluble Nuclear Antigen Precipitating with Sera of Patients with Systemic Lupus Erythematosus," <i>J. Immunol.</i> 96:464-471 (1966).	
		TATEISHI, et al., "Spontaneous Production of Epstein-Barr Virus by B Lymphoblastoid Cell Lines Obtained from Patients with Sjogren's Syndrome," <i>Arthritis Rheum.</i> 36:827-835 (1993).	
		<u>The Medical Letter on Drugs and Therapeutics</u> 37(951):55-57 (June 23, 1995).	
		THEISSEN, et al., "Cloning of the Human cDNA for the U1 RNA-associated 70K Protein," <i>EMBO J.</i> 5:3209-17 (1986).	
		TIGBE, Production of Human Rheumatoid Factors (RF) by SCID Mice Transplanted with Synovial Membrane Lymphocytes, presented at the Arthritis Foundation Fellows Conference, Amelia Island, Plantation, Florida, December 8-10 (1989).	
		TINCANI, et al., "Induction of Experimental SLE in Naive Mice by Immunization with Human Polyclonal anti-DNA Antibody Carrying the 16/6 Idiotype," <i>Clinical and Exp. Rheum.</i> 11:129-134 (1993).	
		TODA, et al., "Sjogren's syndrome (SS) and Epstein-Barr virus (EBV) reactivation," In <u>Lacrimal Gland, Tear Film, and Dry Eye Syndrome</u> . (D.A. Sullivan, ed.) pp 647-650 (Plenum Press, New York 1994).	
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		TSUZUKA, et al., "Lupus Autoantibodies to Double-stranded DNA Cross-react with Ribosomal Protein S1 <sup>1,2</sup> " <i>J. Immunol.</i> 156:1668-1675 (1996).	
SAF		TZARTOS, et al., "The Main Immunogenic region of the Acetylcholine Receptor. Structure and Role in Myasthenia Gravis," <i>Autoimmunity</i> 8:259-270 (1991).	

Examiner's Signature	<i>Sharon F. [Signature]</i>	Date Considered	5/8/2
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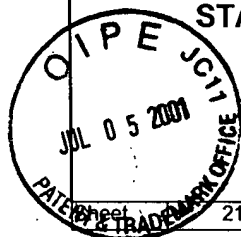
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Filing Date	February 9, 2000
First Named Inventor	John B. Harley
Group Art Unit	
Examiner Name	
Attorney Docket Number	OMRF 161 CIP

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STH		VAN DAM, et al., "Cloned Human snRNP Proteins B and B' Differ Only in Their Carboxy-Terminal Part," <i>EMBO J.</i> 8(12):3853-3860 (1989).	
		*VANDENBARK, et al., "Effects of vaccination with T cell receptor peptides: Epitope switching to a possible disease-protective determinant of myelin basic protein that is cross-reactive with a TCR BV peptide," <i>Immunology and Cell Biology</i> 76:83-90 (1998).	
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		VENABLES, et al., "Persistence of Epstein-Barr Virus in Salivary Gland Biopsies from Healthy Individuals and Patients with Sjogren's Syndrome," <i>Clin. Exp. Immunol.</i> , 75:359-364 (1989).	
		VENABLES, et al., "The Response to Epstein-Barr Virus Infection in Sjogren's Syndrome," <i>J. Autoimmunity</i> 2:439-448 (1989).	
		VIRJI & HECKELS, "Location of a Blocking Epitope on Outer-membrane Protein III of Neisseria Gonorrhoeae by Synthetic Peptide Analysis," <i>J. of Gen. Microbiol.</i> 135:1895-1899 (1989).	
		VOLLER & BIDWELL, "Enzyme-Linked Immunosorbent Assay," <i>Manual of Clinical Laboratory Immunology</i> (Chapter 17) (1986).	
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		WAITE, et al., "Anti-Jo-1 antibodies are Directed at an Evolutionarily-conserved Conformational Site on Human Histidyl-tRNA Synthetase," <i>Mol. Cell Biol. Autoantibodies Autoimm.</i> 100-101 (1989).	
STH		WALTUCK & BUYON, "Autoantibody-associated Congenital Heart Block: Outcome in Mothers and Children," <i>Ann. Intern. Med.</i> 120:544-551 (1994).	

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*Sharon F. Kelly*

Date Considered

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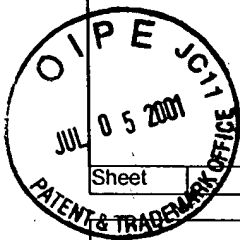
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		Filing Date	February 9, 2000
		First Named Inventor	John B. Harley
		Group Art Unit	
		Examiner Name	
Sheet 22 of 23	Attorney Docket Number	OMRF 161 CIP	



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SAC		WARNER & CARP, "Multiple Sclerosis Etiology - an Epstein-Barr Virus Hypothesis," <i>Med. Hypotheses</i> 25:93-97 (1988).	
		WATSON, et al., "Certain Properties Make Substances Antigenic," in <i>Molecular Biology of the Gene</i> , Fourth Edition, page 836, paragraph 3, (The Benjamin/Cummings Publishing Company, Menlo Park, 1987).	
		WHITTINGHAM, et al., "Epstein-Barr Virus as an Etiological Agent in Primary Sjogren's Syndrome," <i>Med. Hypothesis</i> , 22:373-386 (1987).	
		WILLIAMS, et al., "A Repeated Proline-rich Sequence in Sm B/B' and N is a Dominant Epitope Recognized by Human and Murine Autoantibodies," <i>J. Autoimmunity</i> 3:715-725 (1990).	
		WILSON, et al., "Association of Lymphomatoid Granulomatosis With Epstein-Barr Viral Infection of B Lymphocytes and Response to Interferon-α2b," <i>Blood</i> , 87:4531-4537 (1996).	
		WINFIELD, et al., "Serologic Studies in patients with Systemic Lupus Erythematosus and Central Nervous System Dysfunction," <i>Arthritis Rheum.</i> 21:289-294 (1978).	
		WITEBSKY, et al., "Chronic Thyroiditis and Autoimmunization," <i>J. Am. Med. Assoc.</i> 164:1439-1447 (1957).	
		XIE & SNYDER, "Two Short Autoepitopes on the Nuclear Dot Antigen Are Similar to Epitopes Encoded by the Epstein-Barr Virus," <i>Proc. Natl. Acad. Sci.</i> 92:1639-1643 (1995).	
		YAMAMOTO, et al., "Isolation and Characterization of a Complementary DNA Expressing Human U1 Small Nuclear Ribonucleoprotein C Polypeptide," <i>J. Immun.</i> 140:311-317 (1988).	
SAC		YOKOCHI, et al., "Hight Titer of Antibody to the Epstein-Barr Virus Membrane Antigen in Sera from Patients with Rheumatoid Arthritis and Systemic Lupus Erythematosus," <i>J. Rheumatol.</i> 16:1029-1032 (1989).	

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Application Number

09/500.904

Filing Date

February 9, 2000

First Named Inventor

**John B. Harley**

## Group Art Unit

Examiner Name

Attorney Docket Number

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